

ABSTRACT OF THE DISCLOSURE

A suture pulley assembly includes a pulley wheel that is rotatably attached to an adjustable tension applicator used in joint repair surgery (*e.g.*, to repair an ACL) so as to equalize the tensile load that is applied to each side of a looped suture by the adjustable tension applicator. The pulley wheel includes a pair of pulley plates that define a pulley space therebetween into which a looped suture is placed and that are oppositely-biased in order to spread apart and contract in response to differences in size of the looped suture as a result of, *e.g.*, the existence of a knot or half knot. The pulley wheel is rotatably attached to the tension applicator by a post. A spring biases one of the suture pulley plates toward the other in a manner that allows for the aforementioned expansion of the pulley space.

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